SECTION 834
ELECTRICAL CONDUCTORS TRAFFIC SIGNAL

834.01. DESCRIPTION .

This item consists of furnishing materials and installing electrical conductors for traffic signal systems as shown on the Plans.

834.02. MATERIALS.

The electrical conductors shall meet the requirements specified in the following Subsections of Section 700.

Traffic Signal Wire and Cables:	738.01(a)
Traffic Signal Electrical Cable	
Shielded Loop Detector Lead-In Cable	738.01(b)

834.04. CONSTRUCTION METHODS.

(a) **Traffic Signal Electrical Cable**. Install traffic signal electrical cable from the heads on each traffic signal pole to the traffic signal controller. Place the electrical cable from the traffic signal pole to the controller in conduit. Furnish electrical cable that has a sufficient number of conductors and at least one spare conductor as shown on the Plans.

(b) **Shielded Loop Detector Lead-In Cables.** Place the shielded loop detector lead-in cables in conduit from each loop detector pull box location to the traffic signal controllers. At each of the loop detector pull box locations, splice the loop wire or the sensing element lead to the loop detector lead-in cable as shown on the Plans.

834.05. METHOD OF MEASUREMENT.

The *electrical conductors* will be measured by the foot (meter) for each of the various types specified and installed, and shall include all connectors, splices and incidentals necessary to complete the traffic signal system as provided on the Plans.

834.06. BASIS OF PAYMENT.

The accepted electrical conductors, measured as provided above, will be paid for at the contract unit price as follows:

(A) TRAFFIC SIGNAL ELECTRICAL CABLE ..... LINEAR FOOT (METER)
(B) SHIELDED LOOP DETECTOR LEAD-IN CABLE ..... LINEAR FOOT (METER)

Such payment shall be full compensation for furnishing materials, labor, equipment, and incidentals necessary to complete the work as specified.